

Figure 1

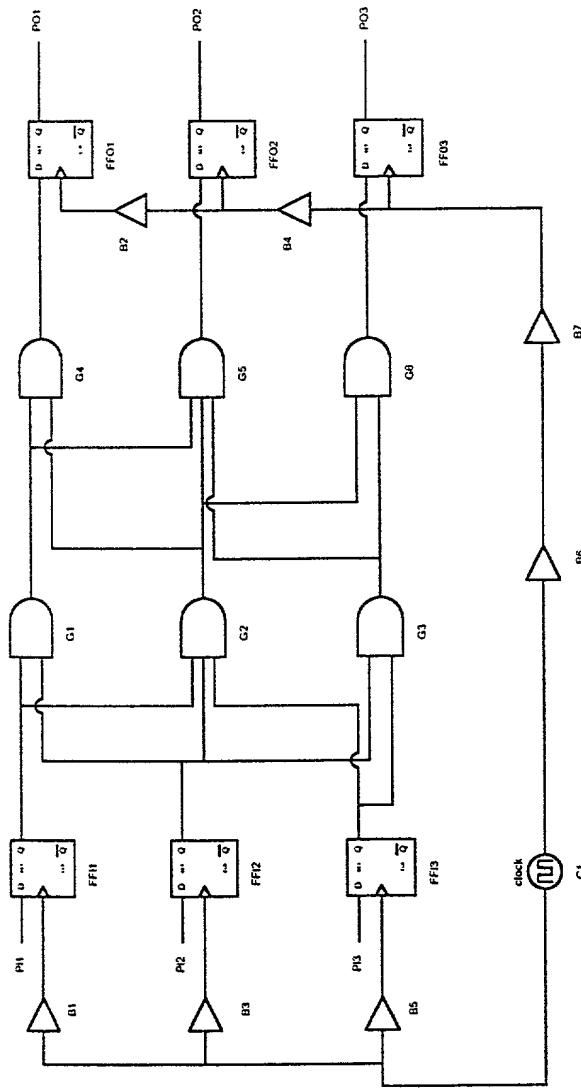
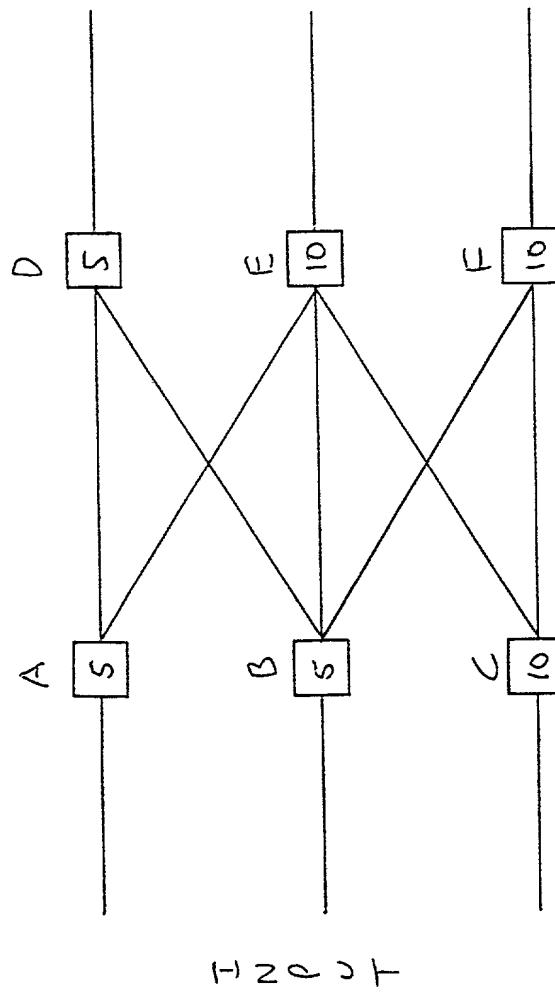


FIGURE 2A

STAEDTLER® No. 937 811 E
Engineer's Computation Pad

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Figure 2B



Forward Delay Sums

A
15

B
15

C
10

D
10

E
15

F
15

Figure 3

T_{qj}	T_s	T_{ij}	HOLD TIME CONSTRAINT	MINIMUM FORWARD DELAY SUM	MAXIMUM FORWARD DELAY SUM	SETUP TIME CONSTRAINT	OUTPUT NODE
2	12	9	7	10	10	26	D
2	3	8	6	15	20	35	E
2	19	10	8	15	20	19	F

Clock Period = 40

Setup Time Constraint = Clock Period - $T_{qj} - T_s$

Hold Time Constraint = $T_{ij} - T_s$

FIGURE 4

Reverse Delay Differences

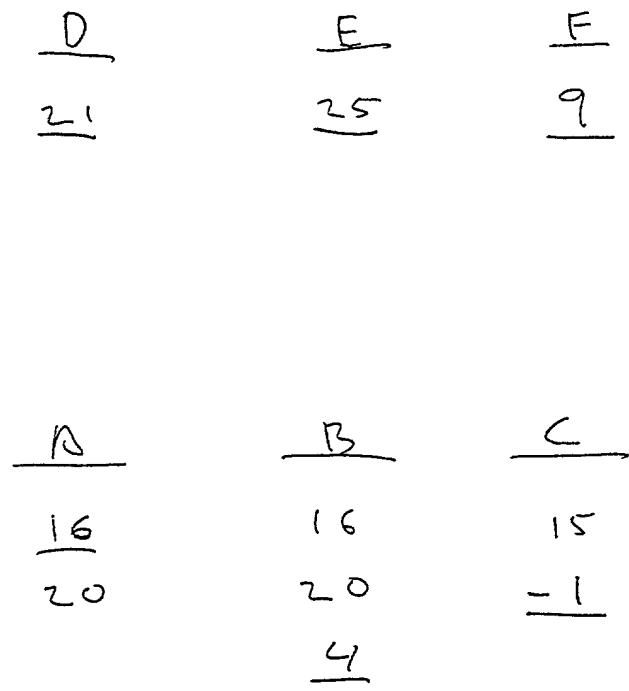


Figure 5

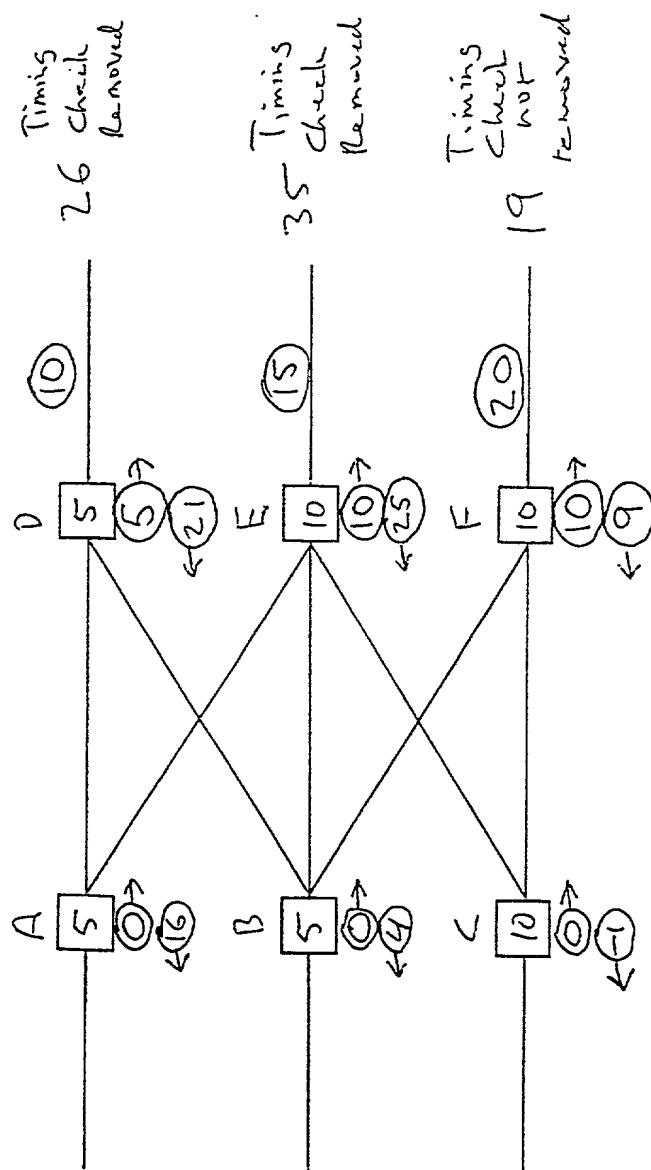


Figure 6

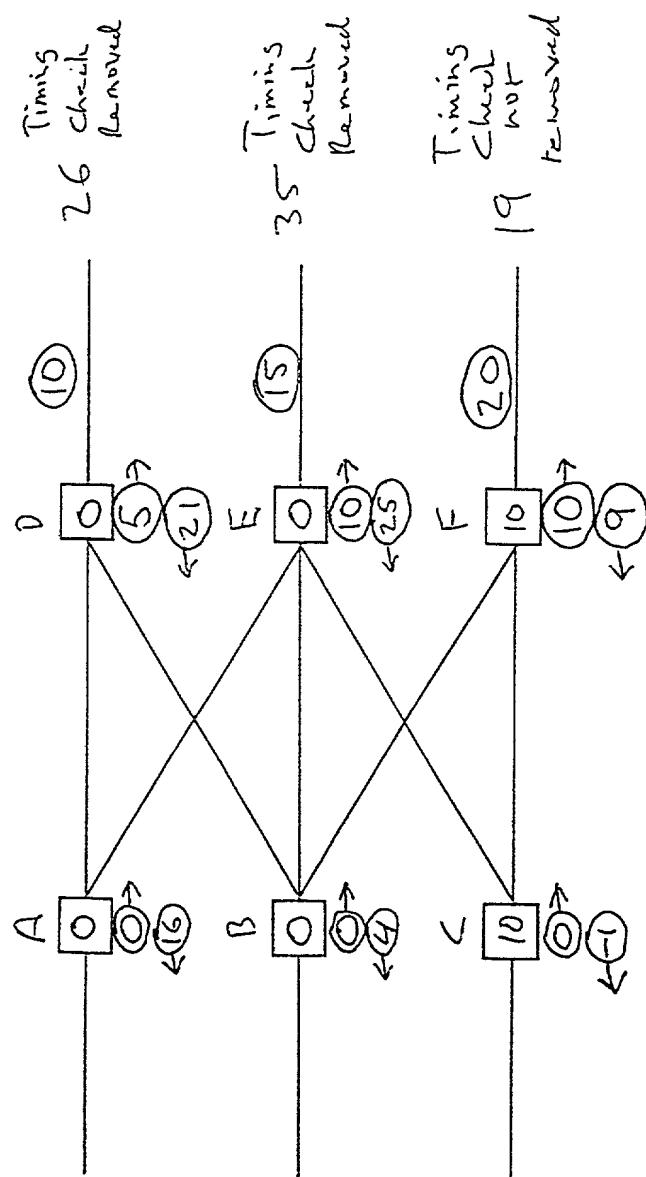


Figure 7A

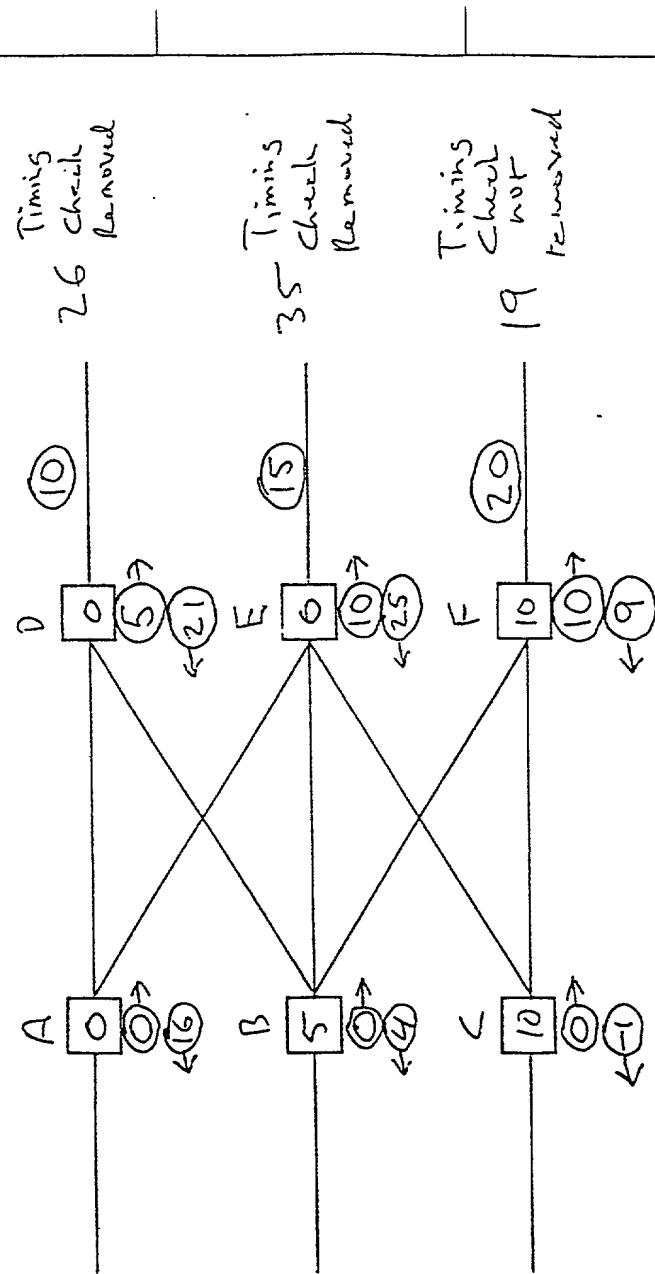


Figure 7 B

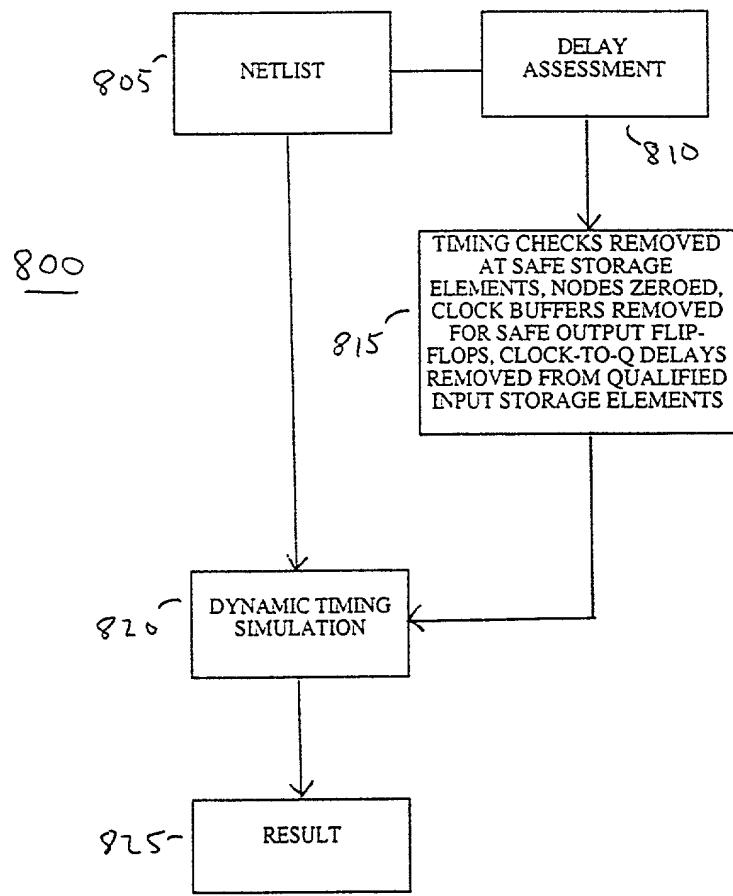


FIGURE 8

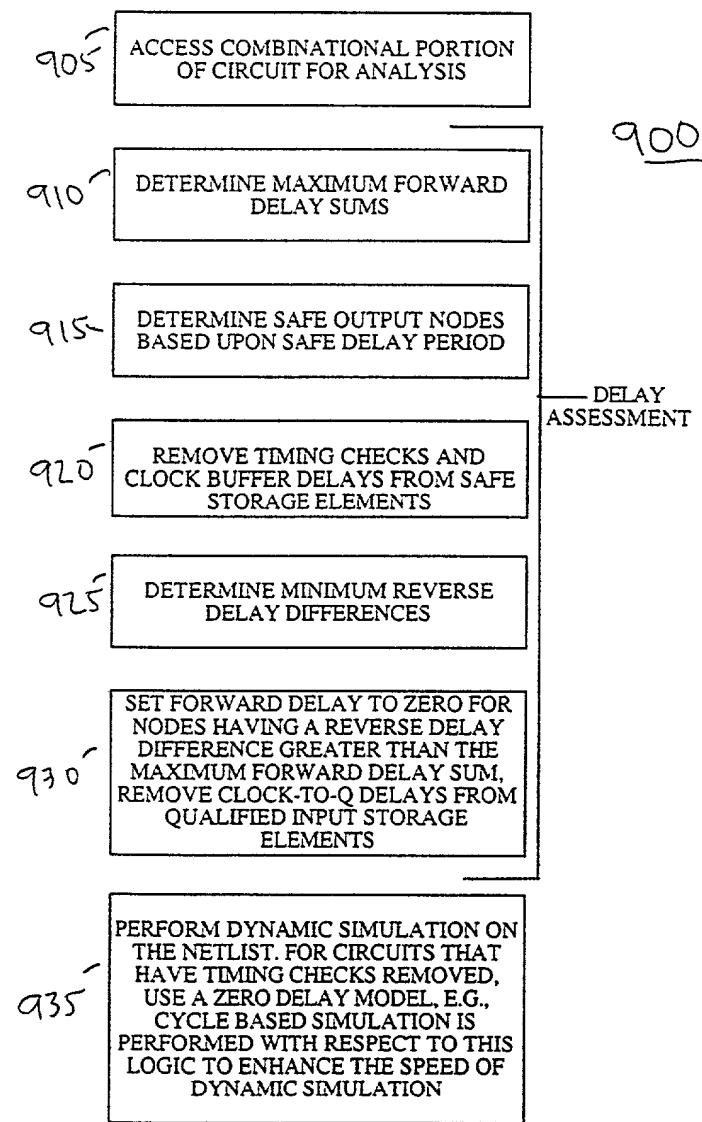


FIGURE 9